

California Regional Water Quality Control Board  
North Coast Region

Monitoring and Reporting Program No. R1-2003-0065  
(Replaces Monitoring and Reporting Program No. R1-2001-0205)

FOR

Redwood Oil Company  
105 X Street  
Eureka, California

Humboldt County

**MONITORING**

1. The presence of floating product shall be evaluated in each monitoring well quarterly. If detected, the thickness shall be measured to at least 0.01 foot increments quarterly.
2. The depth to groundwater in each monitoring well shall be determined to at least 0.01 foot increments quarterly. The results of each quarter's elevation shall be reported in tabular form indicating the surveyed elevations of each well reference point, depth to groundwater from reference point, and the actual groundwater elevation. The data generated from the elevation readings must be referenced to mean sea level.
3. Each monitoring well shall be sampled according to the following schedule. The analyses shall be performed at a certified laboratory for Total Petroleum Hydrocarbons as gasoline (TPH-G), Total Petroleum Hydrocarbons as diesel (TPH-D), Total Petroleum Hydrocarbons as motor oil (TPH-MO), benzene, toluene, ethylbenzene, xylene (collectively identified as BTEX), methyl-tertiary butyl ether, tertiary butyl alcohol, di-isopropyl ether, ethyl tertiary butyl ether, and tertiary amyl methyl ether (collectively identified as OXY).

WELL	FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
MW-1	TPH-G, TPH-D, TPH-MO, BTEX, OXY		TPH-G, TPH-D, TPH-MO, BTEX, OXY	
MW-2	TPH-G, TPH-D, TPH-MO, BTEX, OXY		TPH-G, TPH-D, TPH-MO, BTEX, OXY	
MW-3	TPH-G, TPH-D, TPH-MO, BTEX, OXY		TPH-G, TPH-D, TPH-MO, BTEX, OXY	

WELL	FIRST QUARTER	SECOND QUARTER	THIRD QUARTER	FOURTH QUARTER
MW-4	TPH-G, TPH-D, TPH-MO, BTEX, OXY		TPH-G, TPH-D, TPH- MO, BTEX, OXY	
MW-5	TPH-G, TPH-D, TPH-MO, BTEX, OXY	TPH-G, TPH-D, TPH-MO, BTEX, OXY	TPH-G, TPH-D, TPH- MO, BTEX, OXY	TPH-G, TPH-D, TPH-MO, BTEX, OXY
MW-6	TPH-G, TPH-D, TPH-MO, BTEX, OXY	TPH-G, TPH-D, TPH-MO, BTEX, OXY	TPH-G, TPH-D, TPH- MO, BTEX, OXY	TPH-G, TPH-D, TPH-MO, BTEX, OXY

4. All newly installed monitoring wells will be sampled quarterly for the contaminants applicable to the area of well installation.

### REPORTING

A groundwater elevation contour map shall be submitted for each quarterly set of measurements and include the facility, groundwater flow pattern including the direction of the groundwater gradient, and the location of the wells measured. Quarterly monitoring reports, including quarterly gradient data and sampling data, shall be submitted to this office in accordance with the following schedule:

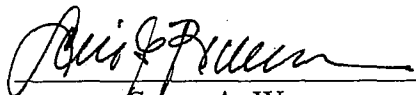
#### Reporting Period

January, February, March  
April, May, June  
July, August, September  
October, November, December

#### Due Date

April 15  
July 15  
October 15  
January 15

Ordered by



Susan A. Warner  
Executive Officer

May 8, 2003